

Latest National Standard for Metal Cable Trays



Article Overview

Metal cable trays in the U.S. and Canada are primarily governed by NEMA VE 1 and CSA C22.2 No. 126.1, specifying materials, dimensions, load ratings, and installation requirements in accordance with the National Electrical Code.

Key Standards

NEMA VE 1 / CSA C22.2 No. 126.1 This harmonized standard defines the manufacturing requirements for metal cable trays, including ladder, ventilated trough, solid bottom, channel, and wire mesh types, along with associated fittings. It specifies materials, finishes, rung spacing, inside depths, and load/span classifications. The standard ensures compliance with the National Electrical Code (NEC) and the Canadian Electrical Code (CEC), providing guidance for safe installation, maintenance, and system modifications (NEMA VE 1-2017, CSA C22.2 No. 126.1).

NECA/NEMA 105-2024 This standard focuses on installation practices, covering shipping, handling, storage, and field installation of metal cable tray systems. It also provides guidance on maintenance and system modifications, ensuring that trays are installed safely and according to design specifications.

UL 568 While primarily for fiberglass trays, UL 568 establishes performance and safety requirements relevant to cable tray systems, including structural integrity and fire safety, which can inform metal tray design considerations.

IEC 61537 This international standard specifies requirements and testing for all-metal cable trays, including wire mesh and ladder types, for electrical and communication installations. It is often referenced for global compliance and harmonization with U.S. and Canadi...

Article Content

Nov 19, 2025

Cable Management Catalog

National Electrical Manufacturer's Association (Nema) IEC-61537 - Requirements and tests for cable tray systems (such as; all metal

Jun 08, 2026

NEMA VE-1: Changes & Commentary | Cable Tray Institute

The document has been changed to utilize metric dimensions as standard (with English equivalents). 3000 mm and 6000 mm trays

Dec 22, 2025

Standard for Installing Metal Cable Tray Systems

Metal cable tray systems for power communications cabling shall be installed in accordance with NECA/NEMA 105, Standard for

Feb 13, 2026

IEC 61537:2023 | IEC

IEC 61537:2023 specifies requirements and tests for cable tray systems and cable ladder systems intended for the support and

Apr 11, 2026

NEMA vs IEC vs BS: Global Cable Tray Standards Comparison

When specifying cable trays for an international project, the first question is always: Which standard applies? NEMA

Jun 02, 2026

Cable Tray

Cable Tray Cable trays are mechanical support systems that provide a rigid structural system for electrical cables, raceways, and

Dec 12, 2025

NEC Standards for Cable Trays: Grounding, Fill Capacity

The flexibility and scalability of cable trays make them an ideal choice for environments where cable density and

Apr 06, 2026

NEMA Standards Publication VE 2-2018

Tray-rated cables are required for cable tray installation, so using a channel cable tray system or wire mesh system for exits may be

Mar 07, 2026

Document DICOS

This harmonized standard was prepared by the CANENA Technical Harmonization Committee for Metal Cable Tray Systems,

Jul 04, 2026

NEMA BI 50016-2024

Cable tray system design shall 269 comply with National Electrical Code® (NEC®) Article 392, NEMA BI-50015 (formerly VE 1), and

Jul 17, 2026

NEC Article 392: Cable Tray Systems

This document describes regulations for cable trays from the National Electrical Code. It defines cable trays and their components. It

Mar 09, 2026

IEC 61537:2023 | IEC

Where necessary, cable tray systems and cable ladder systems can be used for the arrangement of cables into groups. This

Sep 06, 2025

Codes and Standards | Cable Tray Institute

The Cable Tray Institute is making available the current edition of this practical guide for the proper installation of aluminum or steel

Jan 11, 2026

CSA C22.2 NO. 126.1:17 (R2022) | Codes & Standards

This harmonized standard was prepared by the CANENA Technical Harmonization Committee for Metal Cable Tray Systems,

Dec 15, 2025

NEMA revises harmonized standard for metal cable tray systems

On May 25, the National Electrical Manufacturers Association (NEMA) published the NEMA VE 1-2017 Metal Cable Tray Systems

Nov 05, 2025

Cable tray manual

INTRODUCTION The B-Line series Cable Tray Manual was produced by our technical staff. We recognize the need for a complete

Jun 29, 2026

Cable Trays and Accesories

SFSP cable trays and accessories from SFSP are manufactured from steel sheets in accordance with BS EN 10130/BS EN 10131/

Mar 28, 2026

NEMA VE 1-2017

NEMA VE 1-2017 Metal Cable Tray Systems - Control Circuit and Pilot Devices Specifies requirements for metal cable trays and

May 23, 2026

IEC 61537:2023 Cable management

Where necessary, cable tray systems and cable ladder systems can be used for the arrangement of cables into groups. This

Oct 22, 2025

Full cable tray systems specification document

2.02 CABLE TRAY SECTIONS AND COMPONENTS A. General: Except as otherwise indicated, provide metal cable trays, of types,

Aug 10, 2025

NEC Standards for Cable Trays: Grounding, Fill Capacity

This article provides a comprehensive framework that governs various aspects of cable tray installations, including

Jan 07, 2026

CSA C22.2 No. 126.1-17 (R2022)

This harmonized standard was prepared by the CANENA Technical Harmonization Committee for Metal Cable Tray Systems,

Sep 12, 2025

NEMA Standards Publication VE 2-2006

This standards publication was developed by the NEMA Metal Cable Tray and Nonmetallic Cable Tray Sections. Section approval of

Nov 28, 2025

Cable Tray Technical Guide A practical guide to product selection and ...

A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a

Jan 31, 2026

Cable Tray Installation Rules (NEC 392) – Electrical Trader

NEC Article 392 outlines the key rules for installing and maintaining industrial cable tray systems. These systems,

May 26, 2026

NEMA Standards Publication VE 2-2018

The National Electrical Manufacturers Association (NEMA) Standards and guideline publications, of which the document herein is

Apr 05, 2026

NECA/NEMA 105-2024

Most recent NECA/NEMA 105-2024 Standard for Installing Metal Cable Tray Systems This standard addresses shipping, handling,

Oct 13, 2025

LEGRAND CABLE TRAYS TECHNICAL GUIDE

Not all cable trays are equivalent. The mechanical and electrical characteristics, tests, certifications, overall quality management,

Contact Us

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